

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1114	703/2.ccor.	US-PGPUB; USPAT	OR	ON	2006/07/07 16:56
S2	7	((("4912664") or ("5214752") or ("5440674") or ("5798764") or ("5886702") or ("6046744") or ("6266062"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/07/07 17:01
S3	1291	345/419.ccor.	US-PGPUB; USPAT	OR	ON	2006/07/07 17:02
S4	250	345/423.ccor.	US-PGPUB; USPAT	OR	ON	2006/07/07 17:04
S5	696	longest adj edge	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 18:34
S6	122	S5 and mesh	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 18:37
S7	36	S6 and refin\$5	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 19:50
S8	5	S7 and @ad<="19971008"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 18:39
S9	8589	terminal adj edge	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 19:51
S10	4	S6 and S9	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 19:51

		Results
5.	(((pub-date > 1959 and pub-date < 1998 and FULL-TEXT(longest edge)) and mesh) and refin!) and shar!) and midpoint [All Sources(- All Sciences -)]	19
4.	(((pub-date > 1959 and pub-date < 1998 and FULL-TEXT(longest edge)) and mesh) and refin!) and shar! [All Sources(- All Sciences -)]	34
3.	((pub-date > 1959 and pub-date < 1998 and FULL-TEXT(longest edge)) and mesh) and refin! [All Sources(- All Sciences -)]	50
2.	(pub-date > 1959 and pub-date < 1998 and FULL-TEXT(longest edge)) and mesh [All Sources(- All Sciences -)]	73
1.	pub-date > 1959 and pub-date < 1998 and FULL-TEXT(longest edge) [All Sources(- All Sciences -)]	303

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#2	((longest edge<and>mesh)) <and> (pyr >= 1951 <and> pyr <= 1997)	41
#3	((longest edge<and>mesh)<and>refin*) <and> (pyr >= 1951 <and> pyr <= 1997)	18

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[About Local Refinement of Tetrahedral Grids based on Bisection - Angel Plaza \(1996\) \(Correct\) \(2 citations\)](#)

Frequently $1/k$ is chosen as the **longest edge** of S [8, 2, 4] Then it said that a to even higher-dimensional spaces. keywords. **mesh refinement**, 3D bisection, tetrahedra, adaptivity 1
About Local **Refinement** of Tetrahedral Grids based on Bisection Angel
fea1.ansys.com/pub/sowen/aplaza788.ps.gz

[Interpolation of Triangle Hierarchies - Friedrich, Polthier, Schmies \(1998\) \(Correct\) \(1 citation\)](#)

Rivara bisects a triangle exactly at the **longest edge**. Bansch [2] generalized the method by deforms, requiring an adaptive change of its **mesh**. In both cases one obtains a new keyframe object an energy functional and it is adaptively **refined** and coarsened after each time step. These
ftp-sfb288.math.tu-berlin.de/pub/Preprints/preprint342.ps.gz

[A Discussion on Mixed \(Longest-Side Midpoint Insertion\).. - Rivara, Inostroza \(1995\) \(Correct\) \(1 citation\)](#)

of the triangle by the midpoint of its **longest edge** and the opposite vertex. The neighbor of t is when the Delaunay algorithm constructs the optimal **mesh** (the most equilateral one) for the classical Delaunay Techniques for the Triangulation **Refinement** Problem Mar'ia-Cecilia Rivara and Patricio
fea1.ansys.com/pub/sowen/rivara.ps.gz

[Propagation Path Properties In Iterative - Suarez \(Correct\)](#)

Propagation Path Properties In Iterative **Longest-Edge Refinement** J.p. Suarez 1 A. Plaza 1 G.f. based local **refinement** algorithms for unstructured **meshes** of triangles. The conformity neighborhood of a
www.imr.sandia.gov/papers/imr12/suarez03.pdf

[Multiresolution Terrain Processing and Visualization with - Variant Extend Ed \(Correct\)](#)

two adjacent right triangles, which **share** their **longest edge** (see Figure 1) A partial order is defined is a terrain model which consists of a triangle **mesh** covering a plane domain, and a set of elevation of updates that can be applied to progressively **refine** the base TIN into a TIN at the full resolution. A
ftp.disi.unige.it/person/MagilloP/PDF/gis02.pdf

[Multiresolution Terrain Processing and Visualization with.. - De Floriani, Magillo \(Correct\)](#)

right triangles t_1 and t_2 , which **share** their **longest edge**. Triangles t_1 and t_2 are split into two, is a terrain model which consists of a triangle **mesh** covering a domain in the plane, and a set of of updates that can be applied to progressively **refine** the base TIN into a TIN at the full resolution. A
www.dpi.inpe.br/gilberto/csiss/papers/floriani.pdf

[Smooth View-Dependent Rendering in Animations - Friedrich, Polthier, Schmies \(1999\) \(Correct\)](#)

Rivara bisects a triangle exactly at the **longest edge**. Bansch [3] generalized the method by extends to animated scenes whose geometry and **mesh** may adaptively change in time. Keywords: Keywords: animation, shape interpolation, adaptive **refinement**, level-of-detail, multiresolutional
fractal.dam.fmph.uniba.sk/~sccg/proceedings/1999/friedrich.ps.gz

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[ps] [Terminal-edges Delaunay\(small-angle based\) algorithm for the quality triangulation problem](#) - group of 4 »

MC Rivara, N Hitschfeld, B Simpson - CAD COMPUT AIDED DES, 2001 - scicom.uwaterloo.ca

... For the processing of a small an- gled triangle in the current mesh, the terminal-edge is found as the nal longest-edge of the nite chain of tri- angles ...

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[ps] [Parallel Refinement of Tetrahedral Meshes Using Terminal-Edge Bisection Algorithm](#) - group of 2 »

MC Rivara, D Pizarro, N Chrisochoides - 13th International Meshing Roundtable, 2004 - cs.wm.edu

... In this case each terminal-edge in the mesh is the common longest- edge of every tetrahedron that shares such an edge; and the renement operation involves a ...

Cited by 3 - [View as HTML](#) - [Web Search](#)

[Improving the quality of meshes for the simulation of semiconductor devices using Lepp-based ...](#) - group of 5 »

N Hitschfeld, L Villablanca, J Krause, MC Rivara - International Journal for Numerical Methods in Engineering, 2003 - doi.wiley.com

... The terminal-edge is found as the longest-edge ... or interfaces is done by longest edge bisection or ... follows: Section 2 discusses the mesh requirements, Section 3 ...

Cited by 5 - [Web Search](#) - [BL Direct](#)

[ps] [LEPP-Delaunay algorithm: a robust tool for producing size-optimal quality triangulations](#) - group of 3 »

MC Rivara, N Hitschfeld - Proceedings, 8th International Meshing Roundtable, South ..., 1999 - imr.sandia.gov

... Terminal-Edge Point Insertion (;|) l is a terminal-edge in the Delaunay mesh .

The point P to be inserted is midpoint of l . (T1) Longest edge bisection of ...

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[Approximate Shape Quality Mesh Generation](#)

B Simpson, N Hitschfeld, MC Rivara - Engineering with Computers, 2001 - Springer

... edge LEPP-Delaunay algorithm [5,14], in the approximate quality mesh generation framework just presented. For any bad quality triangle t, the longest edge ...

Cited by 2 - [Web Search](#) - [BL Direct](#)

[Triangulating polygons without large angles](#) - group of 2 »

M Bern, D Dobkin, D Eppstein - Proceedings of the eighth annual symposium on Computational ..., 1992 - portal.acm.org

... that typically finds motivation in the area of mesh generation for ... enclosing circle, maxmin height (shortest dimension), and mini- mizing the longest edge. ...

Cited by 25 - [Web Search](#)

[Tetrahedral meshing based on longest-edge algorithms.](#)

MC Rivara, JJ Segura, M Palma, C Oviedo - USACM: Sixth US National Congress on Computational Mechanics ..., 2001 - csa.com

... internal constrained surfaces) by using a terminal-edge Lepp-Delaunay ... produce a quality 3-dimensional mesh T sub 1 . Longest-edge refinement / derefinement ...

Cited by 1 - [Web Search](#)

[ps] [Approximate Quality Mesh Generation Based on Small Edge Details](#) - group of 4 »

B Simpson, N Hitschfeld, MC Rivara - Proc. 9th International Meshing Roundtable, 2000 - imr.sandia.gov

... The longest edge propagation path technique for iden ... adapted to the quality mesh generation problem ... the form pre- sented as the terminal-edge Delaunay algorithm ...

Cited by 1 - [View as HTML](#) - [Web Search](#)

[Terminal-Edge Algorithms: an Integrated Approach for Mesh Generation](#) - group of 2 »

MC Rivara, N Hitschfeld-Kahler - Basel, Birkhauser Verlag AG, 2004., 2004 - mate.dm.uba.ar

... Each terminal-edge is a special edge in the mesh which is the common longest-edge of every element (triangle or tetrahedron) that shares this terminal-edge in ...

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[TERMINAL-EDGE REFINEMENT ALGORITHMS: A STUDY ON A 3-DIMENSIONAL IMPLEMENTATION](#)

MC Rivara, D Pizarro, V Herskovic, N Hitschfeld - usnccm.sandia.gov

... A terminal-edge l is a special edge in the mesh such that l is the longest-edge of every element in the mesh that shares the edge l. The Lepp (longest-edge ...

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[AN EVOLVABLE MESHING TOOL THROUGH A FLEXIBLE OBJECT-ORIENTED DESIGN](#) - group of 3 »

MC Bastarrica, N Hitschfeld-Kahler - Computer, 2004 - dcc.uchile.cl

... related mathematical concepts (the longest- edge propagation path ... triangle and its associated terminal-edge), have allowed ... These mesh concepts have been later ...

"longest edge" mesh "terminal edge" - Google Scholar

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[Geometry independence for a meshing engine for 2 D manifolds - group of 3 »](#)
RB Simpson - International Journal for Numerical Methods in Engineering, 2004 - doi.wiley.com
... has a convenient normalization based on the **longest edge** of each ... The second quality
mesh generation version is the **terminal edge** approach developed by ...
[Web Search](#) - [BL Direct](#)

[A Parallel Algorithm for Adaptive Local Refinement of Tetrahedral Meshes Using Bisection - group of 2 »](#)
L ZHANG - cc.ac.cn
... they have carried out, much fewer tetrahedra in the final **mesh** were produced with
the newest vertex algorithm than with a **longest edge** algorithm, and the ...
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[\[ps\] The Seventh International Conference on Integral Methods in Science and Engineering IMSE 2002 - group of 2 »](#)
F Saint-Etienne - univ-st-etienne.fr
... Each **terminal-edge** is a special edge in the **mesh** which is the common **longest-edge**
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